AEE, YSTSD
SBR No: 165/20-21
Date: 3/3/2021

Original/Duplicate/Triplicate

P.W.G. 17 | 1st and final Bill | **CONTRACT CERTIFICATE**

Reference paras 158 & 1200

NO | Date

Division: Yelahanka | Sub division: Yelahanka New Town

YNK-DRR No: 211
Date: 08.03.2021

Bills received No | Sub-divisional | Cash book vr No

Sheduled Docket No | Divisional | Date

Head of account: P-3294

Name of work(as per sanctioned estimate) :-

NAME OF WORK :Construction of Public Toilets at NES circle in ward no:04 of Yelahanka Satellite Town Sub Division

Work Code:004-20-000095

Name of contractor and full address :- **Sri N Lokanathreddy**

Reference to agreement No :- 85 | **Estimated cost : 30.00** | **Work order No 85, dt:03/07/2020**

Certified that the measurments were taken by me on 2/03/2021 and recorded on pages 496822 to 842 of measurment book No 4969 and the work is satisfactorily executed by the contractor.

N L Reddy
Signature of contractor

Ramanjeeraiah
Asst. Engineer

Certified that the measurments were taken by me on 02/03/2021 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ-03/2021
Sub-divisional officer

II MEMORANDUM OF PAYMENT

ಕ.ಪೌ.ಎಂ.ಕ. ಬೆಂಗಳೂರು-106

1) Total value of work done or supplies as per A/c within	Bill Amount	2784933=00
2) Deduct amount to be held in reserve being-----percent Rs----------%--------	Balance S.T.	33H92=00
3)	Total	3119125=00
4) Deduct payments	CGST	27850=00
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted	SGST	27850=00
b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash	IT	31192=00
	LC	31192=00
Total	CBF	3119=00
	LR	20811=00
5). Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book	TD	142014=00
7) Net amount due to or from contractor.		
UN ADJUSTED ITEMS	CH	2977111=00
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied.		
N L Reddy **TOTAL AMOUNT UN-ADJUSTED**		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)
Witness
1)
2) N L Reddy
Dated signature of contractor
paid by me cheque No dated

Reciept Stamp

Audited & Admitted for Rs. 3119125=00
and Rs. 2977111=00
and Rs. 142014=00

Cash Rs.....

Date | Initials of officer making payment

Date | Executive Engineer

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	2	3	4	5	6	7	8	9	10
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. complete as per specifications and site engineer in incharge	Cum	Not Executed						
2	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding whereverнecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete as per specifications and site engineer in incharge	Cum			19.32	397.99	7689.17	19.32	7689.17
3	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms)complete as per specifications and site engineer in incharge	Sqm			45.00	97.51	4387.95	45.00	4387.95

	Steel work in all types of Sections upto a Height of 5m above plinth level excluding Cutting of Rivet. - A.Including dismembering." complete as per specifications and site engineer in incharge	tonne	Not Executed							
5	Dismantling plastering and removing the debris with a lead upto 200m. (complete as per specifications and site engineer in incharge	Sqm			65.00	41.95	2726.75	65.00	2726.75	
6	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per specifications and site engineer in incharge	Cum			19.32	70.53	1362.64	19.32	1362.64	
7	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and site engineer in incharge	Cum			89.86 98.84 8.98	509.11	45749.00 50320.43 4572.00	98.84 8.98	45749.00 50320.43 4572.00	
8	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of	Cum			2.70	2754.22	7436.39	2.70	7436.39	
9	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms.	Cum			13.23	5785.11	76537.01 76508.00	13.23	76537.01 76508.00	
					3.98	5784.57	23022.59	3.98	23022.59	
10	Providing and laying in position plain cement concrete of mix M15 with				6.53	6147.96	40115.00 40146.18	6.53	40115.00 40146.18	

	cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and	Cum			2.52	6147.38	15491.40	2.52	15491.40
11	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Cum			23.83	5211.36	124186.71	23.83	124186.71
12	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications and site engineer in incharge	Cum			0.63	6682.92	4210.24	0.63	4210.24
13	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m.	Cum			48.21	227.91	10987.54	48.21	10987.54
14	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per specifications and site engineer in incharge	Cum			40.82	70.43	2874.95	40.82	2874.95

	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm			39.36	292.54	11514.37	39.36	11514.37 99697 15485
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm			53.52	405.93	21725.37	53.52	21725.37
17	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm			46.80	517.05	24197.94	46.80	24197.94
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labourcomplete as per specifications and site engineer in incharge	Sqm			34.36	331.96	11406.15	34.36	11406.15
19	Providing and removing centering, shuttering,	sqm			7.39 6.80	856.08 856.01	6326.43 5820.87	7.39 6.80	6326.43 5820.87
20	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete	sqm			115.50 23.00	453.55 452.55 453.51	52385.03 52269.00 10408.65 10430.73	115.50 23.00	52385.03 52269.00 10408.65 10430.73

21	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing,complete as per specifications and site engineer in incharge	Cum			16.86	6590.18	111110.43	16.86	111110.43
22	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999	Cum			6.15 5.00	6854.37 6853.72	42154.38 34268.60	6.15 5.00	42154.38 34268.60
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing,	Cum			22.21	6233.00	138434.93	22.21	138434.93

	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and site engineer in incharge	tonne			4.95	80467.77	398315.46	4.95	398315.46
25	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than	Sqm			87.19 18.29	1034.10 1034.01	90163.18 18912.04	87.19 18.29	90163.18 18912.04
26	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and site engineer in incharge	Sqm			102.42	919.56	94181.34	102.42	94181.34
27	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm			101.52 105.78 4.26	295.94 -11-	30044.00 31304.53 1260.70	105.78 101.52 4.26	30044.00 31304.53 1260.72

28	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and	Sqm			116.03	231.31	26838.90	116.03	268
					288.58	231.29	66745.67	288.58	6674
29	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever	Sqm			105.85	255.12	27004.45	105.85	270
					42.64	255.10	10877.46	42.64	10877
30	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and	Sqm			358.60	232.44	83352.98	358.60	83352.98
					46.01	232.43	10694.10	46.01	10694.10
31	providing applying two coats of wall putty to inside	Sqm			221.88	88.44	19623.07	221.88	19623.07
					182.73	88.44	16160.64	182.73	16160.64
32	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of	Sqm			105.85	102.05	10801.99	105.85	10801.99
					42.64	102.04	4350.99	42.64	4350.99
33	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and site engineer in incharge	Sqm			105.78	385.50	40778.19	105.78	40778.19

	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m 15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing,complete as per specifications and site engineer in incharge	Sqm			75.88	715.48	54290.62	75.88	54290.62
35	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and site engineer in incharge	Sqm			75.88	1372.00	104107.36	75.88	104107.36

36	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications and site engineer in incharge	Sqm			214.73	1850.51	397360.01	214.73	397360.01
37	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of	Nos			2.00	1548.89	3097.78	2.00	3097.78
38	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineriescomplete as per specifications and site engineer in incharge	cum			0.13	99333.47	12913.35	0.13	12913.35
39	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and site engineer in incharge	sqm			4.20	5354.23	22487.77	4.20	22487.77

	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the	m			12.80	510.25	6531.20	12.80	6531.20
41	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower	Sqm			8.40	4308.78	36193.75	8.40	36193.75

42	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and site engineer in incharge	sqm			1.28	109.89	140.66	1.28	140.66
43	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight	Sqm			1.69	5028.81	8498.69	1.69	8498.69
					6.41	5028.33	32231.60	6.41	32231.60
44	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the	Kg			12.76 15.95	107.71	1374.37 1717.97	12.76 15.95	1374.37 1717.97
					154.15	107.71	16603.50	154.15	16603.50
45	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including	sqm			1.35 1.69	107.71	145.00 182.03 37.00	1.35 1.69	145.00 182.03 37.00
					14.51	107.71	1562.87	14.51	1562.87

	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) complete as per specifications and site engineer in incharge	cum			33.81	368.51	12459.32	33.81	12459.32
47	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and site engineer in incharge	Each			13.00	5619.56	73054.28	13.00	73054.28

48	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a Single 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labourcomplete as per specifications and site engineer in incharge	Unit			10.00	3570.62	35706.20	10.00	35706.20
49	Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and site engineer in incharge	Unit			2.00	9153.91	18307.82	2.00	18307.82
50	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labourcomplete as per specifications and site engineer in incharge	Unit			4.00	1288.10	5152.40	4.00	5152.40
51	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications and site engineer in incharge	Unit			6.00	837.94	5027.64	6.00	5027.64

	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. complete as per specifications and site engineer in incharge	Each			42.00	170.08	7143.36	42.00	7143.36
53	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. - do - 110 mm dia complete as per specifications and site engineer in incharge	m	Not Executed				0.00		
54	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. - do - 160 mm dia complete as per specifications and site engineer in incharge	m	Not Executed				0.00		

55	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges curing complete as	Nos				4.00	9626.74	38506.96	4.00	38506.96
56	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications and site engineer in incharge	Each				2.00	23226.64	46453.28	2.00	46453.28
57	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and site engineer in incharge	Each				30.00	196.16	5884.80	30.00	5884.80

	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leadscomplete as per specifications and site engineer in incharge	Each			15.00	159.87	2398.05	15.00	2398.05
59	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and site engineer in incharge	Each			3.00	380.98	1142.94	3.00	1142.94
60	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent	m			40.00	266.46	10658.40	40.00	10658.40
61	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings	m			40.00	332.23	13289.20	40.00	13289.20

62	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Short point upto 3m complete as per specifications and site engineer in incharge	Point			25.00	209.98	5249.50	25.00	5249.50
63	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Medium point above 3m - 6m complete as per specifications and site engineer in incharge	Point			15.00	288.72	4330.80	15.00	4330.80

	ncealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia, 2mm thick complete as per specifications and site engineer in incharge	Rm			69.40	55.64	3861.42	69.40	3861.42
65	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 19/20mm dia, 2mm thick complete as per specifications and site engineer in incharge	Rm			67.95	53.54	3638.04	67.95	3638.04

66	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 25mm dia, 2mm thick complete as per specifications and site engineer in incharge	Rm			46.82	56.69	2654.23	46.82	2654.23
67	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C C wall 1 - 3 Way complete as per specifications and site engineer in incharge	Each			16.00	99.74	1595.84	16.00	1595.84
68	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4 - 5 Way complete as per specifications and site engineer in incharge	Each			8.00	110.23	881.84	8.00	881.84
69	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 . 6AMP 3/5 and Switch complete as per specifications and site engineer in incharge	No			3.00	138.58	415.74	3.00	415.74

	ing and mounting 2 of 2 Way 6amps flush switches either face/flush mounted on existing gang box or in thick plastic sheet and	Each			4.00	157.48	629.92	4.00	629.92
	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 16Amps Combined switch and socket with indication complete as per specifications and site engineer in incharge	No			6.00	203.68	1222.08	6.00	1222.08
2	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293	No			1.00	157.48	157.48	1.00	157.48
3	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-94:confirming to latest amendments 1.5sqmm complete as per specifications and site engineer in incharge	Rm			90.00	21.05	1894.50	90.00	1894.50
4	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments 2.5sqmm complete as per specifications and site engineer in incharge	Rm			30.00	33.59	1007.70	30.00	1007.70
75	Supplying and fixing Metal Fan Box with Round Hook complete as per specifications and site engineer in incharge	Each			1.00	89.24	89.24	1.00	89.24

76	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast & Flourscent Tube	Nos			2.00	314.97	629.94	2.00	629.94
77	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) complete as per specifications and site engineer in incharge	Each	Not Executed						
	TOTAL						2784933.08		2784933.08
	12% GST Charges						334191.97		334191.97
	Grand Total						3119125.05		3119125.05

Certificate:
Certified that the contractor has work done satisfactorily.
The contractor has removed the debries from work site.
There is no dept. materials issued to the contractor.

Assistant Engineer
Ward No 04

02/08/2024
Assistant Executive Engineer
Yelahanka Satellite Town Sub-Division
BBMP, Bangalore-560106